

Converting Colors

XYZ(18.3553, 21.1775, 10.1906)

Have a look what the booklet for
XYZ(18.3553, 21.1775, 10.1906)
contains.

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Color

**XYZ(18.3754, 21.1682,
10.1386)**

Conversions

Conversions Part 1

Format	Color
Hex	81824D
RGB	129, 130, 77
RGB Percent	51%, 51%, 30%
CMY	0.4941, 0.4902, 0.6980
CMYK	0.01, 0.00, 0.41, 0.49
HSL	61°, 26%, 41%
HSV	61°, 41%, 51%
XYZ	18.3754, 21.1682, 10.1386
YIQ	123.6590, 16.4170, -16.6950

Conversions

Conversions Part 2

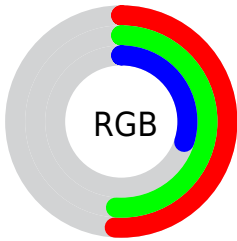
Format	Color
RYB	77, 130, 78
Decimal	8487501
CIELab	53.13, -8.87, 28.54
CIELCh	53, 29.892, 107.268
Yxy	21.1682, 0.3699, 0.4261
Android (android.graphics.Color)	4286677581 (0xFF81824D)
YUV	123.6590, -23.0029, 4.6841
Hunter-Lab	46.0089, -9.2249, 19.1410

Details

The XYZ color **18.3754, 21.1682, 10.1386** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.8259, 8.5397, 22.2508**, and the grayscale version is **19.1154, 20.1109, 21.9007**.

A 20% lighter version of the original color is **40.2927, 45.4666, 26.7309**, and **6.3316, 7.6035, 2.4302** is the 20% darker color. If you saturate the color by 10%, you get **17.9244, 20.9842, 7.9563**, and if you desaturate by 10%, it is **18.9193, 21.3908, 12.8050**.

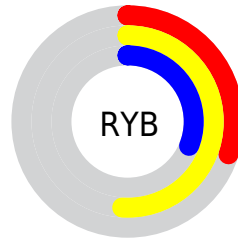
Distribution



Red (51%)

Green (51%)

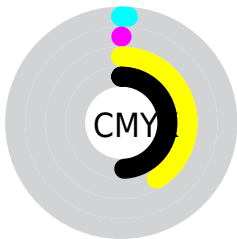
Blue (30%)



Red (30%)

Yellow (51%)

Blue (31%)

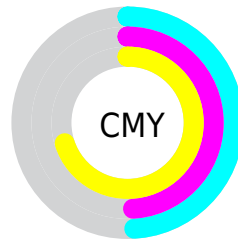


Cyan (1%)

Magenta (0%)

Yellow (41%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3754, 21.1682, 10.1386 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 18.3754, 21.1682, 10.1386 by changing the saturation by 10% instead.

■ 18.3754, 21.1682,
10.1386

■ 18.3754, 21.1682,
10.1386

235.9834,
258.1710, 202.1791

■ 11.3212, 13.2470,
5.3841

■ 40.2011, 45.3673,
26.6678

■ 6.3522, 7.5989,
2.4117

■ 55.7032, 62.4140,
39.2795

■ 3.1031, 3.8394,
0.7928

■ 74.7520, 83.2713,
55.3475

■ 1.2085, 1.5841,
0.0000

■ 97.7128, 108.3236,
75.2902

■ 0.1131, 0.3469,
0.0000

■ 124.9510,
137.9554, 99.5262

■ 0.0000, 0.0000,
0.0000

156.8319,

172.5509, 128.4739

193.7210,
212.4947, 162.5520

■ 18.3754, 21.1682,
10.1386

■ 18.3754, 21.1682,
10.1386

■ 17.9244, 20.9842,
7.9563

■ 18.9193, 21.3908,
12.8050

■ 17.5592, 20.8339,
6.2280

■ 19.5596, 21.6513,
15.9808

■ 17.2743, 20.7156,
4.9218

■ 20.3015, 21.9524,
19.6911

■ 17.0628, 20.6267,
4.0018

■ 21.1493, 22.2959,
23.9588

■ 16.9167, 20.5640,
3.4255

■ 22.1072, 22.6834,
28.8057

■ 16.8163, 20.5199,
3.0744

■ 23.1791, 23.1166,
34.2523

■ 24.3687, 23.5968,
40.3181

■ 25.6795, 24.1255,
47.0218

■ 27.1148, 24.7041,
54.3811

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.4839, 21.1682, 9.9345



18.3754, 21.1682, 10.1386



15.9919, 21.1682, 13.1706

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.3754, 21.1682, 10.1386



16.2845, 21.1682, 38.2762



26.6224, 21.1682, 27.0854

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.3754, 21.1682, 10.1386



9.8259, 8.5397, 22.2508

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.9030, 21.1682, 36.9313



18.3754, 21.1682, 10.1386



18.8146, 21.1682, 44.4376

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.3754, 21.1682, 10.1386



14.8740, 21.1682, 28.5887



21.9711, 21.1682, 43.8896



26.4732, 21.1682, 18.2748

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.3754, 21.1682, 10.1386



15.0360, 21.1682, 16.9762



21.9711, 21.1682, 43.8896



26.2368, 21.1682, 30.4196

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.3759, 21.1692, 10.1390



35.5425, 38.5733, 33.6323



13.2623, 10.7144, 8.3906



8.0134, 8.7181, 7.4546



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.3759, 21.1692, 10.1390



31.6121, 36.9723, 14.2391



14.8727, 19.3632, 9.9751



4.6576, 5.0154, 4.6427



16.1239, 19.6746, 2.9478



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9.8259, 8.5397, 22.2508



14.3778, 11.5126, 38.6569



12.4373, 9.8860, 22.3730



4.1158, 4.2153, 5.4100



3.8937, 1.5610, 20.3460



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.3754, 21.1682, 10.1386 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 18.3754, 21.1682, 10.1386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

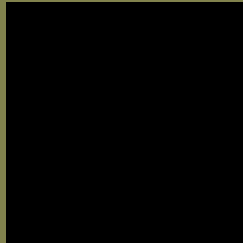
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3754, 21.1682, 10.1386

Background



This preview shows how black text looks on a background with the XYZ color 18.3754, 21.1682, 10.1386.



This preview shows how white text looks on a background with the XYZ color 18.3754, 21.1682,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.3754, 21.1682, 10.1386

Protanopia

19.5413, 21.1895, 9.8975

Deuteranopia

21.3855, 21.0116, 10.3256



Tritanopia

21.3083, 21.0103, 25.1226

Trichromacy



Original Color

18.3754, 21.1682, 10.1386

Protanomaly

19.0154, 21.1110, 9.9101

Deuteranomaly

20.0844, 20.8947, 10.1822

Tritanomaly

20.1144, 21.1005, 18.6354

Monochromacy



Original Color

18.3754, 21.1682, 10.1386

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.7189, 20.4189, 16.8646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3754, 21.1682, 10.1386 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 130, 77)` looks like.

```
.text, #text, p{  
    color:rgb(129, 130, 77)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 130, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 130, 77) }
```

Border

The CSS property to change the border of an element to XYZ 18.3754, 21.1682, 10.1386 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 130, 77) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(129, 130, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(129, 130, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 130, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 130, 77);  
box-shadow:4px 4px 4px 4px rgb(129, 130,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3754, 21.1682, 10.1386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 130, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
130, 77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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